

PROJECT: Midnite Mine Remediation**REPORT NO:** 2021-18**OWNER:** Newmont/Dawn Mining**OPERATOR:** Newmont/Dawn Mining**SUMMARY OF WORK ACTIVITIES OR EVENTS FOR THIS REPORTING PERIOD:**

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period July 23 – 29, 2021. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: (b) (6)

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period July 23 – 29, 2021			
FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments: There were no incident for this week. Sherwood fire continues to impact air quality, but has not impacted site work.			

COMMUNITY LIAISON

- Community notifications continue to be sent to Mr. Sherwood for site equipment deliveries and WTP Solids transport.
- Sherwood Fire continues to be active at 55% containment.
- Midnite operations shut down due to air Quality on 26 July during day shift. Resumed operations for remediation on night shift.
- Sherwood Fire Resolution 2021-396 July 23rd. Woods and Road Closure received.
- Notice received from the STOI Incident Commander that all work in the Blue Creek Drainage is to be suspended due fire danger and the lack of additional resources to respond.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS**Weekly Progress Meeting:**

The following stakeholders attended the Weekly Construction Progress meeting via a conference call on Wednesday, 28 July 2021;

- EPA
- Army Corps of Engineers (USACE)
- Dawn Mining Company (DMC)/Newmont
- WME
- AJAX
- Stantec

Meeting Action Items:

- A written response will be provided to address EPA's remaining comment on the Water Treatment Plan (WTP) 100% Design.

EPA Plan/Document Approvals:

- EPA approved the 100% Design of the WTP on 26 July, but requested a remaining comment be addressed.
- On 29 July, EPA agreed to the request to suspend sampling of groundwater monitoring wells MWNE-01 and MWNE-02 for the next two sampling events – Fall 2021 and Spring 2022.

Regulatory Site Visit(s):

- Mark Fillius, USACE, was on Site on 23 July.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of July 23 – 29, 2021, the following activities were conducted:

- Newmont day shift operations shut down early on 26 Jul due to poor air quality associated with the Sherwood Fire. The Sherwood Fire is burning approximately 2.5 miles northeast of Wellpinit.
- Newmont excavated, hauled and placed low activity/low reactivity material from the west side of the South Waste Rock Pile (SWRP) and the Pit 4 Overburden Pile. Newmont placed these materials in the Pit 4 Waste Containment Area (WCA).
- SLV Earthmovers continued crushing and screening material from the Hillside Waste Rock Pile (HSWRP) to produce Drain Gravel and Geomembrane Bedding Material. Newmont hauled these materials to stockpile locations designated in the 2021 Crushing and Stockpiling Work Plan (Stantec, 2021). Estimated quantities of materials produced are presented in Table 1.
- Collection of Quality Control samples from the crushing and screening operation continued with samples of Drain Gravel and Geomembrane Bedding Material submitted to Budinger and Associates for gradation analysis.
- Stantec performed Method 9 visible emissions observations at the crushing and screening operation on the HSWRP on 23 July. Visible dust from the crushing operation conformed with project requirements.
- Stantec performed South Pond embankment stability inspection on 23 Jul. The embankment remains stable and the water level in the South Pond piezometer remains below the action level.
- Newmont began assembling the diffuser Tee for the Pit 3 dewatering pipeline
- Halme Construction suspended work on the effluent pipeline due to the Sherwood Fire and the high fire hazard in the work area.

Table 1 – 2021 Production Estimates

Material	Reporting Period			Year-to-date			Annual % Complete
	Planned Production (yd³)	Estimated Volume¹ (yd³)	% of Planned	Planned Production (yd³)	Estimated Volume¹ (yd³)	% of Planned	
Haulage to Pit 4							
SWRP	17,919	39,088	218%	401,536	644,476	161%	85%
HSWRP	1,889	0	0%	32,312	2,828	9%	4%

Material	Reporting Period			Year-to-date			Annual % Complete
	Planned Production (yd ³)	Estimated Volume ¹ (yd ³)	% of Planned	Planned Production (yd ³)	Estimated Volume ¹ (yd ³)	% of Planned	
Pit 4 Overburden	14,700	8,596	58%	168,280	318,556	189%	95%
CSZ Cleanup	417	0	0%	1,167	28,700	2460%	574%
Total	34,925	47,684	137%	603,295	994,560	165%	86%
Aggregate Production							
Drain Gravel	8,500	7,931	93%	149,600	117,082	78%	39%
Liner Bedding	0	0	--	9,250	9,414	102%	102%
Geomembrane Bedding	8,500	7,292	86%	149,600	119,756	80%	31%
Total	17,000	15,223	90%	308,450	246,252	80%	36%

1 - Truck load assumed to be 27 yd³

Stormwater Pollution Prevention Plan (SWPPP)

- None.

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None.

CONSTRUCTION QUALITY ASSURANCE

Dust Control and Monitoring

All eight dust monitors were turned off for the entire week as shown in Table 2 below. The local Wellpinit-Sherwood Fire started on Wednesday afternoon (7/21/2021) and has continued to generate elevated TSP levels during this time-period. All three water trucks (2,200, 4,000 and 9,000-gallon capacity) were used for dust suppression as needed during mine site construction activities. There were no construction activities occurring for the Effluent Pipeline during this reporting period.

Table 2 - TSP Dust Monitoring Locations during reporting period July 23 – 29, 2021

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	03/23/21	E			E	E	E	E
ES-2 (stationary)	Midnite Mine Southeast Boundary	03/23/21	E			E	E	E	E
ES-3 (stationary)	Midnite Mine West Boundary	03/23/21	E			E	E	E	E
ES-4 (roving)	Northeast Side of the SCSZ	04/16/21	E			E	E	E	E
ES-5 (roving)	Northeast of the Mid-SWRP	03/24/21	E			E	E	E	E
ES-6 (roving)	East of HSWRP above High Road	03/23/21	E			E	E	E	E
ES-7 (roving)	Northeast of HSWRP at Pit 4	03/23/21	E			E	E	E	E
ES-8 (stationary)	NAR ~Station 14+00	06/29/21	E			E	E	E	E
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (fog, smoke , pollen, heavy rain, etc.) O=Off - Special Circumstances * Equipment malfunction (Battery/Power Supply or Other)									

Project Documentation

Project CQA-CQC Field Acceptance Forms, Engineering Change Notices (ECNs), Design Clarification Notices (DCNs), Non-Compliance Notifications (NCNs), Requests for Information (RFIs), Submittals, and Other Items received during this time-period are shown in the table below:

CQA Documentation

CQC-CQA Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Project DCNs			
DCN No.	Title	Submittal Date	EPA Response Date
None			
Project ECNs			
ECN No.	Title	Submittal Date	EPA Response Date
2021-01	Monitoring and Control of Phreatic Levels in the South Pond Embankment Mine Site Summary Memo for the South Pond Dewatering Well & Piezometer sent to EPA on 7/18/2021	3/19/2021	Conditional Approval Received on 5/11/2021 Summary Report Received by CQA on 7/14/2021 – Stantec to Forward to the EPA EPA TBD
2021-02	Modifications to Pit 3 Underdrain and Dewatering Sumps Mine Site Stantec to Prepare Response to EPA Comments (EPA to send any additional comments by 7/15/2021).	6/8/2021	EPA Approval 7/13/2021 Stantec to provide responses to EPA's previous comments
Notice of Non-Compliance			
NNC No. and Dates	Title/Description	CQA	CQA/EPA Response Date(s)
None			
Project RFIs			

RFI No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)
HC-2021-06	NAR Lead-Off Crossing and Pipeline Alignment Adjustment Effluent Pipeline <i>Design Engineer's Response Received 6/29/2021</i> <i>EPA Comments Received 7/14/2021 – Stantec Preparing Responses</i>	6/17/2021	CQA – 7/1/2021 EPA - TBD
HC-2021-08	Use of Native Materials for Bedding Source (Blue Creek Road Sample) Effluent Pipeline	6/29/2021	CQA – 7/14/2021 EPA – TBD
2021-05	June 2, 2021 Liner Bedding Gradation Test Results Mine Site	7/6/2021	CQA – 7/13/2021 EPA - TBD
Submittals			
Submittal No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)
HC-01575-02.1	Addendum to SPCC – Fuel Tanks Effluent Pipeline <i>Halme submitted Tier 1 Facility Application for Review 7/23/2021</i>	6/10/2021	CQA – 6/14/2021 EPA - TBD
02272-15	South Pond Geomembrane – 2021 Liner Repairs Mine Site	6/21/2021	CQA – 7/22/2021 EPA - TBD
02970-08	Temporary Erosion Seed Mix as Installed on June 30, 2021 Mine Site	7/6/2021	CQA – TBD EPA - TBD
01300-05	South Pond Vibrating Wire Piezometer – Product Sheets and Calibration Certs. Mine Site	7/7/2021	CQA – TBD EPA - TBD
02272-16	South Pond Liner Repair Data for June 8 through July 1, 2021 Mine Site	7/7/2021	CQA – 7-22-2021 EPA - TBD
HC-02200-05	Soil Analysis/Proctor – Native Screened Soil from Blue Creek (for use as pipe bedding only) Effluent Pipeline	7/12/2021	CQA – 7/13/2021 EPA - TBD
HC-02593-03	Manhole Lid Specs. Effluent Pipeline	7/23/2021	CQA – 7/28/2021 EPA – No Concerns 7/29/2021
02272-17	South Pond Liner Repair Data for July 16, 2021 Mine Site	7/27/2021	CQA – TBD EPA - TBD
HC-02200-04	Native Soil Backfill Analysis (Correct Proctor) Effluent Pipeline	7/28/2021	CQA – 7/28/2021 EPA – No Exception Taken 7/28/2021
Other Items			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are being updated and will be located on the project SharePoint site under the 2021 CQA Folder.

Site Inspections

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- Pit 4 Revegetation Plan

Initial Phase Inspections

- None

Follow-up Phase and Ongoing Inspections

- Mine Waste Placement in Pit 4 – Low activity/low reactivity material from the SWRP, Middle Overburden Pile - no restrictions on placement.
- Dust Monitoring System – Prepared TSP Alarm Records for Quarterly Dust Monitoring Reports
- Effluent Pipeline – BMPs along Blue Creek Road
- South Pond Liner Repairs (7/16/2021)

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:
<u>Andrew Liffing, P.E.</u> <u>Project Construction Director</u>
Attachments <ul style="list-style-type: none">• Attachment A – Midnite Mine 3 Week Lookahead Schedule
Photos of pertinent items are provided below.



Figure 1 - Crushing and screening operations at the HSWR, view looking north.



Figure 2 – Placement of low activity/low reactivity material in Pit 4, view looking south.



Figure 3 – Excavation, loading, and hauling of low activity/low reactivity material from the South Waste Rock Pile – Mid loadout 2, view looking north.



Figure 4 – Work resumed at the Pit 4 Overburden, view looking north.



Figure 5 – Placement of low activity/low reactivity material in Pit 4 at southern limits, view looking southwest.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Data Date: 30-Jul-21
Print Date: 02-Aug-21

Activity ID	Activity Name	RD	% Complete	Start	Finish			Jul 25							Aug 01						Aug 08						Aug 15								
						Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr		
17. Excavation and placement of materials into Pit #4		90d		29-Mar-21 A	05-May-22																														
17-1240	Excavate and Haul SWRP (Middle Zone Mining -All Phase A) Pit#	90d	63%	29-Mar-21 A	05-May-22																														
17-1220	Excavate and Haul Pit 4 Overburden middle section	11d	82%	12-May-21 A	13-Aug-21																														
17-1120	Chipping Timber	10d	0%	16-Aug-21	27-Aug-21																														
18. Complete Repair of South Pond		1d		23-Apr-21 A	30-Jul-21																														
18-1040	Support South Pond Pumping Station Construction and Commisior	1d	70%	23-Apr-21 A	30-Jul-21																														
18-1150	Commission the South Pond	1d	50%	09-Jul-21 A	30-Jul-21																														
19. Initiate (b) (6) Borrow Area Development		11d		09-Aug-21	23-Aug-21																														
19-1060	Construct monitoring wells in (b) (6) Borrow (Jul/Aug)	11d	0%	09-Aug-21*	23-Aug-21																														
20. Haul and place Cover material over the Pit#4 WCA		102d		29-Mar-21 A	23-May-22																														
20-1050	Haul Crushing and Screening Rejects Material to Pit#4	97d	4%	29-Mar-21 A	16-May-22																														
20-1060	Produce Geomembrane Bedding for Pit#4	97d	29%	29-Mar-21 A	16-May-22																														
20-1070	Haul Geomembrane Bedding to Stockpiles for Pit#4 Cap	102d	29%	29-Mar-21 A	23-May-22																														
26. Construct the new WTP and Pipeline for discharge		48d		07-Jun-21 A	06-Oct-21																														
26-3070	Erosion Control BMP's & Site Controls	1d	50%	07-Jun-21 A	30-Jul-21																														
26-3090	Material Staging & Pipe Fusing	16d	35%	07-Jun-21 A	20-Aug-21																														
26-3080	Clearing & Grubbing	0d	70%	18-Jun-21 A	30-Jul-21																														
26-3120	Install MH at STA 34+55	3d	95%	15-Jul-21 A	03-Aug-21																														
26-3360	18" Culvert Installation at West End Approach	1d	0%	30-Jul-21	30-Jul-21																														
26-3370	Roadway Subgrade Prep	5d	0%	02-Aug-21	06-Aug-21																														
26-3130	Progress to STA 50+00	7d	0%	03-Aug-21	11-Aug-21																														
26-3380	Ditch Shaping and Grading	4d	0%	09-Aug-21	12-Aug-21																														
26-1730	Develop Construction Plans for Discharge system line	30d	0%	11-Aug-21	22-Sep-21																														
26-1740	Develop WTP Construction Work Plans for Approval	30d	0%	11-Aug-21	22-Sep-21																														
26-1780	Effluent Line HDPE Pipe and Materials Purchase and Delivery	40d	0%	11-Aug-21	06-Oct-21																														
26-3140	Progress to STA 66+00	6d	0%	12-Aug-21	19-Aug-21																														
26-3390	Crushed Aggregate Base Course	7d	0%	13-Aug-21	23-Aug-21																														
26-3150	Progress to STA 86+00	7d	0%	20-Aug-21	30-Aug-21																														
26-3250	Culvert #1 (~ STA 74+75)	1d	0%	23-Aug-21	23-Aug-21																														
26-3400	HMA Base Lift	2d	0%	24-Aug-21	25-Aug-21																														

Activity ID	Activity Name	RD	% Complete	Start	Finish			Jul 25							Aug 01						Aug 08						Aug 15								
						Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr		
27. Produce drain rock and other materials necessary for the sub-waste liner																																			
27-1000	Produce Drain Gravel for Pit 3	98d	36%	29-Mar-21 A	17-May-22																														
27-1030	Haul Drain Gravel, Stockpile (301k cy)	98d	36%	29-Mar-21 A	17-May-22																														
28. Initiate construct of the Pit#3 sump including initial construction of under																																			
28-1150	Route new temporary line from GW54 to South Pond	1d	80%	09-Jun-21 A	30-Jul-21																														
28-1180	Install Pit 3 dewatering system to transfer water to South Pond (1,0	1d	30%	06-Jul-21 A	30-Jul-21																														
28-1140	Install pumps and generators	4d	0%	30-Jul-21	04-Aug-21																														
28-1160	Route PCP, Blood Pool, from Pit #3 to South Pond	5d	0%	30-Jul-21	05-Aug-21																														
28-1190	Route Pit #4 temporary dewatering line to South Pond	10d	0%	30-Jul-21	12-Aug-21																														
28-1320	Transfer water from Pit #3 to South Pond (1,000 GPM)	44d	0%	09-Aug-21	08-Oct-21																														